GENERAL NOTES

- I. CONTRACTOR TO CLEAR FROM R/W TO R/W AND EASEMENTS FOR THE RELOCATION OF UTILITIES, EXCLUDING ESA'S OUTSIDE ORANGE BARRIER FENCE. THE COST FOR CLEARING AND GRUBBING SHALL BE INCLUDED IN THE BID PRICE FOR GRADING COMPLETE.
- 2. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE PLACED IN KIND I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND ASPHALT FOR DIRT/EARTH DRIVES. DRIVEWAY RELOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS OR AS LOCATED IN THE PLANS. RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROAT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. DRIVES SHALL BE CONSTRUCTED USING:

ASPHALT - RESIDENTIAL - 4" RECYCLED ASPH CONC 12.5mm SUPERPAVE (440 LB/SY)

VALLEY GUTTER, 6" THICK

COMMERCIAL - 4" RECYCLED ASPH CONC 12.5mm SUPERPAVE (440 LB/SY)

VALLEY GUTTER, 8" THICK

GRADED AGGREGATE BASE, 6"

CONCRETE - RESIDENTIAL - DRIVEWAY CONCRETE, 6" THICK; VALLEY GUTTER 6" THICK COMMERCIAL - DRIVEWAY CONCRETE, 8" THICK; VALLEY GUTTER 8" THICK GRADED AGGREGATE BASE. 6"

- 3. ALL DRIVEWAYS WILL BE TIED TO THE BACK OF THE RIGHT-OF-WAY OR TIE-DOWN POINT, WHICHEVER IS GREATER.
- 4. DRIVEWAYS LOCATED AT STA. 242+05 LT, STA. 297+55 RT, AND STA. 335+03 RT SHALL BE DIRT DRIVEWAYS PER ENVIRONMENTAL COMMITMENTS FOR THE HISTORIC PROPERTIES THE J. H. TILLMAN HOUSE, THE SUNSET BODY SHOP, AND THE SMITH HOUSE.
- 5. ALL EXISTING PIPES SHALL BE REMOVED UNLESS OTHERWISE NOTED ON PLANS OR AS DIRECTED BY THE ENGINEER. PIPE REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE. ALL EXISTING CONCRETE PIPES THAT ARE TO BE ABANDONED AND LEFT IN PLACE SHALL BE PLUGGED WITH CLASS "B" CONCRETE. THE COST OF THE CLASS "B" CONCRETE FOR THIS PURPOSE SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR OTHER ITEMS.
- 6. NO SEPARATE PAYMENT SHALL BE MADE FOR THE REMOVAL OF ANY REQUIRED TEMPORARY PIPE. ALL COSTS ASSOCIATED WITH SUCH REMOVAL SHALL BE INCLUDED IN THE BID PRICE FOR OTHER ITEMS.
- 7. A NOTICE OF INTENT (NOI) FOR STORM WATER DISCHARGE WILL BE REQUIRED FOR THIS PROJECT.
 THE DISTURBED AREA IS 38. I ACRES.
- 8. AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT, A SAWED JOINT SHALL BE PLACED TO PROVIDE A NEAT LINE FOR THE CONSTRUCTION JOINT. THE COST OF SAWED JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN OVERALL BID PRICE OF PROJECT.
- 9. THIS PROJECT INCLUDES 1.5" MILLING OF ALL EXISTING ROADWAYS.
- 10. DUE TO HIGH MOISTURE CONTENTS AND RECOMMENDED BY THE COMPLETED SOIL SURVEY FOR THIS PROJECT,
 AFTER EXCAVATION IS COMPLETE, THE FOLLOWING SOIL AREAS ARE TO HAVE 24 INCHES OF SUBGRADE SOILS
 BENEATH THE PAVEMENT AND SHOULDERS EXCAVATED. THESE AREAS SHOULD BE EITHER DRIED OUT AND REPLACED
 OR REPLACED WITH DRIER SOILS. THIS WORK SHOULD BE DONE AS DIRECTED BY THE ENGINEER. THE COST SHALL BE
 INCLUDED IN THE OVERALL COST FOR GRANULAR EMBANKMENT.

STA 130+00 TO 140+00 RT OF SR 133 CONST CL STA 285+00 TO 290+00 RT OF SR 133 CONST CL STA 350+00 TO 359+00 LT OF SR 133 CONST CL STA 176+50 TO 177+50 RT OF PRICE RD. CONST CL

- II. THE CONTRACTOR WILL PROVIDE ATTACHMENT HEIGHTS, LOAD, AND ANGLE OF ATTACHMENT TO POLE OWNER FOR JOINT USE POLES TO BE SIZED.
- 12. AS RECOMMENDED BY THE COMPLETED SOIL SURVEY FOR THIS PROJECT, ONE LAYER OF LOW-STRENGTH FILTER
 FABRIC IS TO BE PLACED ON TOP OF THE EXISTING GROUND PRIOR TO PLACING THE FILLS TO PROVIDE STABILITY
 OVER THE LOOSE SANDS. THE LOW, WET AREAS WHERE FABRIC WILL BE REQUIRED ARE AS FOLLOWS:

STA 170+00 TO 170+50 LT OF SR 133 CONST CL
STA 175+00 TO 177+00 RT OF SR 133 CONST CL
STA 229+00 TO 234+00 RT OF SR 133 CONST CL
STA 248+00 TO 254+50 RT OF SR 133 CONST CL
STA 290+00 TO 293+00 RT AND LT OF SR 133 CONST CL
STA 327+00 TO 332+00 LT OF SR 133 CONST CL
STA 350+00 TO 350+50 LT OF SR 133 CONST CL
STA 175+00 TO 177+50 RT AND LT OF PRICE RD CONST CL

IF NOT FEASIBLE TO DRAIN THESE AREAS DURING CONSTRUCTION, A MAT OF GRANULAR EMBANKMENT SHOULD
BE PLACED TO A HEIGHT OF 18 INCHES ABOVE THE WATER LEVEL PRIOR TO PLACING NORMAL FILLS. IF THESE AREAS
ARE DRY AND STBLE AT THE TIME OF CONSTRUCTION. THE FABRIC MAY BE ELIMINATED AS DIRECTED BY THE ENGINEER.

13. THE PROJECT ENGINEER SHALL CONTACT THE GEOTECHNICAL ENGINEER BUREAU PRIOR TO CONSTRUCTION TO EVALUATE THE NEED FOR CRACK SURVEYS AND VIBRATION MONITORING.

TOTAL PROJECT AREA: 87.4 Ac
TOTAL DISTURBED AREA: 40.8 Ac.



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STATE OF GEORGIA	NT LON
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OFFICE: PROGRAM DELIVERY	
GENERAL NOTES	
SRI33 FM SPENCE FLD TO SR35	DRAWING No.
COLQUITT COUNTY	4 – () ()
	DEPARTMENT OF TRANSPORTA OFFICE: PROGRAM DELIVERY GENERAL NOTES SRI33 FM SPENCE FLD TO SR35

PIPE CULVERT MATERIAL ALTERNATES Resistivity > 10,000 FOR COASTAL PLAIN REGION											
TYPE OF PIPE INSTALLATION			PIPE	ETE	CORRUGATED STEEL AASHTO M-36		CORRU- GATED ALUMINUM AASHTO M-196	PLASTIC			
			CONCRETE	ALUMINUM COATED (TYPE 2) CORR. STEEL	PLAIN ZINC COATED	PLAIN UNCOATED ALUMINUM	CORR. POLY- ETHYLENE AASHTO M-252	CORR. POLY- ETHY LENE SMOOTHED LINED AASHTO M-294 TYPE "S"	POLY VINYL CHLORIDE (PVC) PROFILE WALL AASHTO M-304	POLY VINYL CHLORIDE (PVC) CORRUGATED SMOOTH INTERIOR ASTM F-949	
STORM DRAIN	LONGITUDINAL INTERSTATE AND TRAVEL BEARING		X								
	LONGITUDINAL NON-INTERSTATE AND NON-TRAVEL BEARING			X	X		Χ		X	Χ	Х
	CROSS DRAIN	310%	ADT < 250	X	X		X		X	X	X
			250 < ADT < 1,500	X			X		X	X	X
			1,500 < ADT < 15,000	X					X	X	X
			ADT > 15,000	X							
		GRADE _≥10%	ADT < 250		X		X		X	X	X
			ADT > 250				X		X	X	X
SIDE DRAIN			A/N	X	X		X		X	X	X

NOTES:

- I. ALLOWABLE MATERIALS ARE INDICATED BY AN "X".
- 2. STRUCTURAL REQUIREMENTS OF STORM DRAIN PIPE WILL BE IN ACCORDANCE WITH GEORGIA STANDARD 1030-D OR 1030-P, WHICHEVER IS APPLICABLE, AND THE STANDARD SPECIFICATIONS.
- 3. GRADED AGGREGATE BACKFILL SHALL BE USED IN CROSS DRAIN APPLICATIONS FOR ALL PLASTIC PIPES (AASHTO M-294, HDPE PIPE; AASHTO M-304, PVC PIPE; ASTM F-949, PVC PIPE).
- 4. THE CONTRACTOR SHALL PROVIDE ADDITIONAL STORM SEWER CAPACITY CALCULATIONS IF A PIPE MATERIAL OTHER THAN CONCRETE IS SELECTED.
- 5. PIPE USED UNDER MECHANICALLY STABILIZED EARTH (MSE) WALLS, WITHIN MSE WALL BACKFILL, OR WITHIN FIVE FEET OF AN MSE WALL FACE SHALL BE CLASS V CONCRETE PIPE.
- 6. PROJECT SPECIFIC PH AND RESISTIVITY VALUES ARE ENTERED INTO THE RESPECTIVE BOXES ABOVE TO DETERMINE ALLOWABLE PIPE MATERIALS.

CROSS DRAIN AND STORM DRAIN PIPE:

PERMANENT SLOPE DRAIN

PERFORATED UNDERDRAIN

UNLESS NOTED OTHERWISE IN THE PLANS, THE PIPE SIZES SPECIFIED FOR CROSS DRAIN PIPE AND STORM DRAIN PIPE ARE BASED ON A MANNING'S "N" DESIGN VALUE OF 0.013. ALTERNATE PIPE MATERIALS WITH MANNING'S "N" DESIGN VALUE LESS THAN OR EQUAL TO 0.013 MAY BE USED.

THE CONTRACTOR MAY, AT HIS OWN EXPENSE, SUBMIT OTHER DESIGNS CONSIDERING ALTERNATE PIPE MATERIALS WITH MANNING'S "N" DESIGN VALUES GREATER THAN 0.013 TO THE PROJECT ENGINEER FOR APPROVAL. THE SUBMITTED DESIGNS SHALL BE STAMPED AND SEALED BY A QUALIFIED PROFESSIONAL ENGINEER.

SIDE DRAIN PIPE AND UNDER DRAIN PIPE:

ALTERNATE PIPE MATERIALS MAY BE USED AS NOTED IN THE ALLOWABLE PIPE MATERIALS CHART.

SIDE DRAIN PIPE NORMALLY DESIGNED USING MANNING'S "N" VALUE FOR CORRUGATED METAL PIPE.

SUBMISSION OF ALTERNATE DESIGNS WITH LESSER FRICTION COEFFICIETS IS NOT REQUIRED.